## TEXAS AIRPORT SYSTEM PLANNING

Linda Howard, AICP
TxDOT Aviation Division
Director, Planning & Programming

# What is the Texas Airport System Plan?

- Documentation of required facilities
- Basis for detailed airport planning
- Link between the NPIAS, Regional Plans & Master Plans
- FAA AC 150/5070-7 "Airport System Planning"

#### Planning Relationships

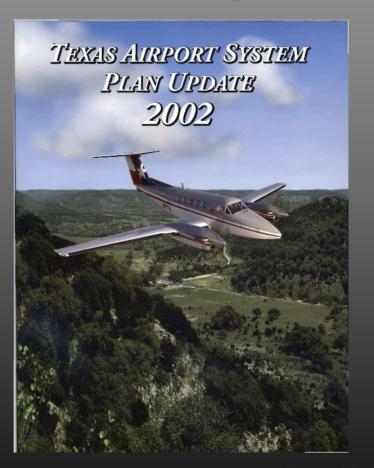
NPIAS

Texas Airport System Plan

Airport Master Plans

# Texas's Role in Airport System Planning

- Planning
- Funding
- Implementation



## What does the Texas Airport System Plan Do?

- Provides justification for the NPIAS
- Provides basis for coordinated planning
- Indicates aviation role
- Identifies locations, types, sizes of airport facilities

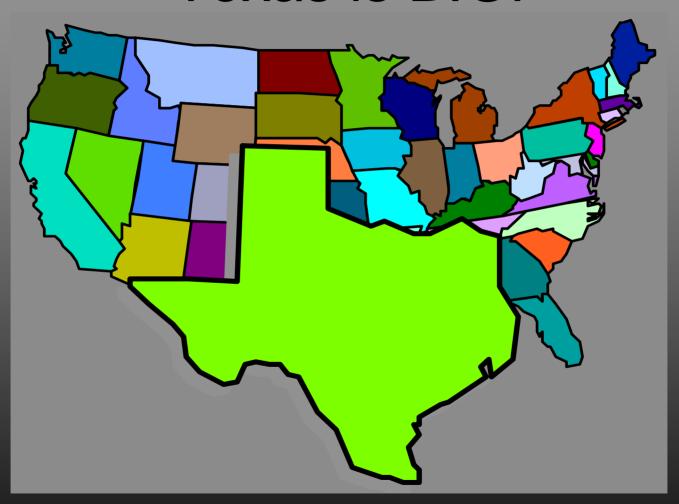
## What does the Texas Airport System Plan Provide?

- Information, direction & policy guidance
- Present & future role of airports
- Activity forecasts
- Basis for CIP and funding allocation

## Importance of the Texas Airport System

- Link to national transportation system
- Connects rural & urban populations
- Provides 784,000 jobs
- Generates \$49 billion annually

#### Texas is BIG!



## Texas Airport System Plan Goals

- Adequate access by air
- Timely development
- Economic benefits
- Integration of other modes
- Minimize environmental impacts

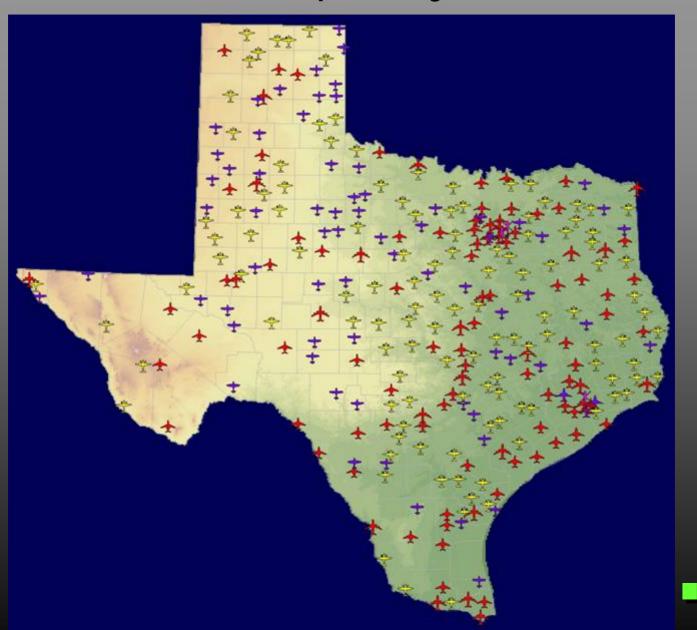
## Texas Airport System Plan Objectives

- Commercial Service within 60 minutes of urban areas
- Business jet access within 30 minutes of population & mineral resource centers
- Piston aircraft access within 30 minutes of agricultural resource centers

# What is the Texas Airport System?

- 300 Airports & 3 Heliports
  - 26 Primary Commercial Service
  - 1 Non-Primary Commercial Service
  - 25 Relievers
  - 248 General Aviation Non-Relievers
  - 3 Heliports

#### Texas Airport System



- Commercial Service (Primary & Non-Primary)
- GA Relievers
- GA Business/Corporate
- GA Community Service
- GA Basic Service

Commercial Service



GA Relievers



GA Business/Corporate



■ GA Community Service



■ GA Basic Service

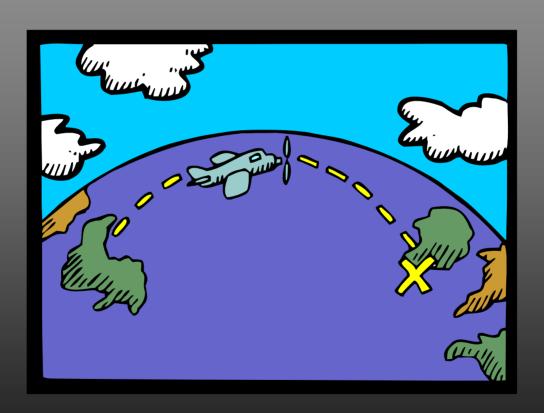


#### Functional Categories

- Commercial
- Reliever
- Multipurpose
- Industrial

- Agricultural
- Special
- Remote
- Access

### How Did I Get Here?



### Airport Design Standards

- Based on ARC & approach visibility minimums
- Runway length, width & strength
- Separations
- Land requirements
- Lighting requirements
- Approaches

#### Airport Amenities

- Associated with Role & Design Standard
  - Terminal
  - **■** Fuel facilities
  - Aircraft storage
- Limited funding eligibility

### Development Worksheets

- Airport description
- Development based on system role & design standards
- Unconstrained airport needs
- 3 time frames

#### Development Worksheets

Texas Airport System Plan Airport Development Worksheet AIRPORT DESCRIPTION

Printed: 02/21/2008 Revised: 11/29/2007

Airport: MOUNT PLEASANT RGNL Associated City: MOUNT PLEASANT

County : TITUS
TxDOT District: ATLANTA

City Pop.: 13,935 County Pop.: 28,118 Airport ID: OSA FAA Site #: 24387.03\*A NPIAS Site #: 48-0363

Design Criteria

Design Criteria -				
Time Period:	Current	0-5	6 - 10	11 - 20
Design Standards:	B-II	B-II	C-II	C-II
Airport Ref. Cd.:		See DS		
Runway Type:	NP			
Aircraft Size:	L			
State Role:	BC			
Federal Role:	GA			

#### Airport -

Airport Status: EXISTING Airport Functional Category: REGIONAL Airport Elevation: 363' msl

> Altimeter: YES Temperature: 95

Days With Rainfall Greater than 1/10": 62

#### Sponsor -

Sponsor: CITY
Publicly Owned: YES
Sponsor Interest:

#### Economic

Economic Development Impact: \$ 2,609,000

#### Primary Runway

Approach Rwy: Approach Type: Wind Coverage (%): 97.

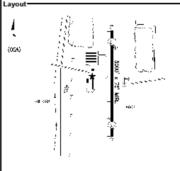
#### Zoning

Height Hazard Zoning Date: 07/18/2000

#### Notes

03/07/2007 1050.1E CE for 05EAMTPLS Runway Extension JJ

10/08/2007 7460 1050.1E 310f hangar JJ



#### Based Aircraft -

Single Engine: 35
Multi Engine: 6
Jet: 3
Helicopter:

Date Reported: 05/12/2004

Gliders: Military: Ultra-Light:

Total:

## GA Local: 8,800 GA Itinerant Military: Air Carrier: Air Taxi: Commuter: Total: 13,200

Annual Activity -

#### Planning -

Airport Master Plan Date: 01/01/1993
Airport Layout Plan Date: 03/09/2001
Regional Planning Meeting Date: 09/19/2007
Aerial Photo Date:

#### Legislative Districts

State Rep: 3 U.S. Rep: 4 State Senator: 1

#### Development Worksheets

Texas Airport System Plan Airport Development Worksheet

Page 1 of 2

Inted: 02/21/2008	025455000	Airport Development Worksneet
	11/29/2007	DEVELOPMENT BY TIME PERIOD

Airport: MOUNT PLEASANT RGNL Associated City: MOUNT PLEASANT			NPIAS Site #:	NPIAS Site #: 48-0363			D: OSA #: 24387.03*A
Status Codes: U - Unassig							
Project Description	Time Period :	00-05	Project Cost	Const Type	Object Code	Airport Comp	Item Status
Runway extension (1,000')	( 75') to RW 17 end			PAVE	UPGR	PTXY	A
Extend TW (1,220 x35)				PAVE	UPGR	PTXY	A
Widen RW 17-35 (6000 x 2	(5)		866,684	PAVE	STDS	PRWY	С
Rehab existing RW 17-35 (	5,000x75)			PAVE	PRSV	PRWY	A
Rehab existing apron (11,1	00 sy)			PAVE	PRSV	APRN	A
Rehab existing TW (6,200x	35)			PAVE	PRSV	PTXY	A
Mark RW 17-35 (32,000 sf)			32,000	PAVE	PRSV	PRWY	С
Rehab existing hangar acc	ess TW (1,000x75)			PAVE	PRSV	HANG	A
Construct New Hangar Apr	on			PAVE	RECN	HANG	A
Improve RSA/drainage to n	ew C-II standards		150,000	PAVE	STDS	PRWY	С
Relocate MIRLs (6000 If)			244,080	LITE	UPGR	PRWY	С
Extend MIRL RW 17-35 (1,	000 if)			LITE	STDS	PRWY	A
Relocate/adjust thresholds			20.000		STDS	PRWY	c
Relocate PAPI & REIL				AAID	UPGR	ANAS	A
Mark RW 17-35				OTHR	UPGR	PRWY	Α.
Site preparation for RW & 1	TW extension			OTHR	UPGR	OLSD	Α.
Temporary displaced thresi				OTHR	UPGR	PRWY	Α.
Engineering/design for RW			130.000		PLAN	ENGR	c
Seeding (23 ac)	widening		100,000	OTHR	UPGR	OLSD	A
install hold & RW exit signs	: / 1 hold & two avit)			OTHR	UPGR	ANAS	A
Drainage improvements (1,		2 1 Inloft		OTHR	UPGR	OLSD	Α.
infield clearing and grading		, a i illes		OTHR	STDS	ANAS	Ā
Erosion/sedimentation cont				OTHR	UPGR	OLSD	Ä
Update Airport Layout Plan				OTHR	PLAN	AMP	Ä
		#T-1-1 0	4. 4440.704	Onne	1 27114	74811	
Time Period: 00-05		**Total Cos	t: \$1,442,764 Project	Const	Object	Airport	Item
Project Description	Time Period :	06-10	Cost	Туре	Code	Comp	Status
Stripe & mark RW (32,000			32,500		PRSV	PRWY	U
Rehabilitate corporate TW	(1770 x 35)		357,916		PRSV	HANG	U
Rehabilitate TW (6,740 x 3	-		180,808		PRSV	PTXY	U
Extend T-hangar access T\	N (3264 sy)		114,468	PAVE	PRSV	HANG	U
Rehabilitate apron (6000 sy	n		48,600	PAVE	PRSV	APRN	U
Rehabilitate hangar access	TW (35 x 165)		5,200	PAVE	PRSV	HANG	U
Rehabilitate RW 17-35 (6,0	00 x 100)		540,003	PAVE	PRSV	PRWY	U
Time Period: 06-10		**Total Cos	t: \$1,279,495				
Project Description	Time Period :	11-20	Project Cost	Const Type	Object Code	Airport Comp	Item Status
Rehabilitate apron (6000 sy	n		48,600	PAVE	PRSV	APRN	U
Stripe & mark RW (32,000	Sf)		32,500	PAVE	PRSV	PRWY	U
Extend TW (740 x 35)			149,656	PAVE	UPGR	STXY	U
Extend RW (500 x 75) norti	h end		216,684	PAVE	UPGR	PRWY	U
			180,808	PAVE	PRSV	PTXY	U
Rehabilitate TW (5740 x 35	1)		100,000		11004		

### Regional Planning Meetings

- One-third of the System annually
- Meet with airport sponsors & elected officials
- Discuss airport needs
- Update Development Worksheets
- Discuss TxDOT Aviation services

### Capital Improvement Program

- Outgrowth of Texas Airport System Plan
- Constrained by available funding
- Regularly updated
- Reflects current priorities of the system plan

## Texas Airport System Planning Process

- Integrated and continuous
- Realistic, implementable & flexible
- Direct, open communication
- Solution-oriented & pragmatic
- Interactive
- Balances community values & priorities with aviation & economic development needs



### PLANNING

MUCH WORK REMAINS TO BE DONE BEFORE WE CAN ANNOUNCE

OUR TOTAL FAILURE TO MAKE ANY PROGRESS.